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| 3574 | 72 | KIM, HONG KIM | 4054-105 | 20 |

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EXAMINER

HA NGUYEN L

ART UNIT

EXAMINER

DATE MAILED 06/03/2008

Please find below and or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/913,573

Applicant(s)

KOCHEM ET AL

Examiner

Nguyen T Ha

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2001 and 16 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1. ☒ Notice of References Cited (PTO-822)
2. ☒ Notice of Draftsperson's Patent Drawing Review (PTO-846)
3. ☒ Information Disclosure Statement(s) (PTO-449, Paper No. _____)
4. ☐ Interview Summary (PTO-413, Paper No. _____)
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Other _____

DETAILED ACTION***Specification***

Content of Specification

- (a) Title of the Invention: See 37 CFR 1.72(a) and MPEP § 606. The title of the invention should be placed at the top of the first page of the specification unless the title is provided in an application data sheet. The title of the invention should be brief but technically accurate and descriptive, preferably from two to seven words may not contain more than 500 characters.
- (b) Cross-References to Related Applications: See 37 CFR 1.78 and MPEP § 201.11.
- (c) Statement Regarding Federally Sponsored Research and Development: See MPEP § 310.
- (d) Incorporation-By-Reference Of Material Submitted On a Compact Disc: The specification is required to include an incorporation-by-reference of electronic documents that are to become part of the permanent United States Patent and Trademark Office records in the file of a patent application. See 37 CFR 1.52(e) and MPEP § 608.05. Computer program listings (37 CFR 1.96(c)), "Sequence Listings" (37 CFR 1.821(c)), and tables having more than 50 pages of text were permitted as electronic documents on compact discs beginning on September 8, 2000.

Or alternatively, Reference to a "Microfiche Appendix": See MPEP § 608.05(a). "Microfiche Appendices" were accepted by the Office until March 1, 2001.
- (e) Background of the Invention: See MPEP § 608.01(c). The specification should set forth the Background of the Invention in two parts:
 - (1) Field of the Invention: A statement of the field of art to which the invention pertains. This statement may include a paraphrasing of the applicable U.S. patent classification definitions of the subject matter of the claimed invention. This item may also be titled "Technical Field."
 - (2) Description of the Related Art including information disclosed under 37 CFR 1.97 and 37 CFR 1.98: A description of the related art known to the applicant and including, if applicable, references to

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specific related art and problems involved in the prior art which are solved by the applicant's invention. This item may also be titled "Background Art."

- (f) Brief Summary of the Invention: See MPEP § 608.01(d). A brief summary or general statement of the invention as set forth in 37 CFR 1.73. The summary is separate and distinct from the abstract and is directed toward the invention rather than the disclosure as a whole. The summary may point out the advantages of the invention or how it solves problems previously existent in the prior art (and preferably indicated in the Background of the Invention). In chemical cases it should point out in general terms the utility of the invention. If possible, the nature and gist of the invention or the inventive concept should be set forth. Objects of the invention should be treated briefly and only to the extent that they contribute to an understanding of the invention.
- (g) Brief Description of the Several Views of the Drawing(s): See MPEP § 608.01(f). A reference to and brief description of the drawing(s) as set forth in 37 CFR 1.74.
- (h) Detailed Description of the Invention: See MPEP § 608.01(g). A description of the preferred embodiment(s) of the invention as required in 37 CFR 1.71. The description should be as short and specific as is necessary to describe the invention adequately and accurately. Where elements or groups of elements, compounds, and processes, which are conventional and generally widely known in the field of the invention described and their exact nature or type is not necessary for an understanding and use of the invention by a person skilled in the art, they should not be described in detail. However, where particularly complicated subject matter is involved or where the elements, compounds, or processes may not be commonly or widely known in the field, the specification should refer to another patent or readily available publication which adequately describes the subject matter.
- (i) Claim or Claims: See 37 CFR 1.75 and MPEP § 608.01(m). The claim or claims must commence on separate sheet (37 CFR 1.52(b)). Where a claim sets forth a plurality of elements or steps, each element or step of the claim should be separated by a line indentation. There may be plural indentations to further segregate subcombinations or related steps. See 37 CFR 1.75 and MPEP § 608.01(i)-(p).
- (j) Abstract of the Disclosure: See MPEP § 608.01(f). A brief narrative of the disclosure as a whole in a single paragraph of 150 words or less commencing on a separate sheet following the claims. In an international application which has entered the national stage (37 CFR 1.491(b)), the

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applicant need not submit an abstract commencing on a separate sheet if an abstract was published with the international application under PCT Article 21. The abstract that appears on the cover page of the pamphlet published by the International Bureau (IB) of the World Intellectual Property Organization (WIPO) is the abstract that will be used by the USPTO. See MPEP § 1893.03(e).

- (k) Sequence Listing. See 37 CFR 1.821-1.825 and MPEP §§ 2421-2431. The requirement for a sequence listing applies to all sequences disclosed in a given application, whether the sequences are claimed or not. See MPEP § 2421.02.

The specification is missing heading for sections a-h above.

Claim Objections

1. Claim 1 is objected to because of the following informalities:

Claim 1, line 10, "the opposite surface" lacks antecedent basis.

Claim 1, line 13, "the smoother surface" lacks antecedent basis.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country more than one year prior to the date of application for patent in the United States

3. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Siefried et al (4,283,453)

Regarding claims 1&7, Siefried et al disclose a use of a polyolefinec. oriented multiplayer film as support film in the production of a ceramic capacitor (figure 1). characterized in that

- the multiplayer film consists of a base layer and at least one top layer A, where the top layer A comprises a propylene polymer (in the abstract) and at least one incompatible polyolefin, and in that the incompatible polyolefin is an LDPE, HEPE, MDPE, ethylene-propylene copolymer or a cycloolefin polymer or a syndiotactic polymer (column 6 lines 12-16), and
- the surface of the top layer A has greater roughness than the opposite surface of the firm (column 5 lines 31-32), and
- the film is provided with a ceramic coating on the smoother surface of the film (column 6 lines 21-22), and this coating is dried and subsequently separated form the support film (figure 1).

Regarding claim 2, Siefried et al disclose the top layer does not contain any particular anti-blocking agent (column 5 lines 41-42).

Regarding claim 3, Siefried et al disclose the film has a second top layer B (figure 1) and the surface of this top layer B forms the smoother film surface (column 5 lines 32-33).

Regarding claim 4, Siefried et al disclose the top layer B essentially consists of a propylene homopolymer and does not contain any antiblocking agent (column 5 lines 44-45)

Regarding claim 5, Siefried et al disclose the top layer A comprises the propylene polymer in an amount of from 70 to 99.5% by weight (column 6 lines 13-14) and the incompatible polyolefin in an amount of from 0.5 to 30% by weight (column 6 lines 14-16).

Regarding claim 6, Siefried et al disclose the film coated with a ceramic layer is provided with a metal layer on the surface of the ceramic layer (column 6 lines 26-30).

Regarding claim 8, Siefried et al disclose a use of a polyolefinec, oriented multiplayer film as support film in the production of photoresist layers (figure 1), characterized in that

- the multiplayer film consists of a base layer and at least one top layer A, where the top layer A comprises a propylene polymer (in the abstract) and at least one incompatible polyolefin, and in that the incompatible polyolefin is an LDPE, HEPE, MDPE, ethylene-propylene copolymer or a cycloolefin polymer or a syndiotactic polymer (column 6 lines 12-16), and
- the surface of the top layer A has greater roughness than the opposite surface of the film (column 5 lines 31-32), and
- the film, as separating film, is brought into contact with the photoresist layer with its smoother surface (figure 1).

Citation Relevant of Prior Art

4 The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

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a. Schloegl et al disclose raw material and film prepared therefrom, having improved electrical properties.

b. Winter discloses polyethylene/polyester nonoriented heat sealable moisture barrier film.

c. Crass et al coextruded, biaxially oriented multi-layer and capacitor made therefrom.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nguyen T Ha whose telephone number is 703-308-6023. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dean Reichard can be reached on 703-308-3682. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-3432 for regular communications and 703-305-3431 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

NH
May 22, 2003


DEAN A. REICHARD
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2800